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# NOTICE OF ALLOWANCE AND FEE(S) DUE

758 7590 04/23/2008 FENWICK & WEST LLP

FENWICK & WEST LLP SILICON VALLEY CENTER 801 CALIFORNIA STREET MOUNTAIN VIEW, CA 94041 EXAMINER
TSE, YOUNG TOI

ART UNIT PAPER NUMBER

DATE MAILED: 04/23/2008

 APPELICATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFRMATION NO.

 10/622\_337
 07/18/2003
 Thomas S. Wong
 21901-07874
 4849

TITLE OF INVENTION: AC COUPLING SYSTEM FOR WIDE BAND DIGITAL DATA WITH DYNAMIC ACLOAD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	07/23/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notifical	form should be used to correspondence including d below or directed off tions	or transmittin ig the Patent, ierwise in Blo	g the ISSU advance or ock 1, by (a	JE FEE and PUBLICAT rders and notification of a) specifying a new corre	TON FEE (if requiremaintenance fees visions spondence address;	ired). I vill be and/o	Blocks 1 through 5 s mailed to the current (b) indicating a sepa	nould be of correspondant correspo	completed where dence address as ADDRESS" for
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MOUNTAIN VI	EW, CA 94041								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.		CONFIR	RMATION NO.
10/622,337	07/18/2003			Thomas S. Wong			21901-07874		4849
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APPLN, TYPE	SMALL ENTITY	ISSUE FE	E DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	Ι	DATE DUE
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"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach ND RESIDENCE DATZ ess an assignee is ident h in 37 CFR 3.11. Comp	nge of Corresp Indication found. Use of a C	pondence orm Customer	2. For printing on the (I) the names of up to or agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or ty data will appear on the 1 T a substitute for filing an (B) RESIDENCE: (CIT!	o 3 registered pater vely, le firm (having as a agent) and the nam ymeys or agents. If printed. pe) atent. If an assign assignment.	memb es of u no nan	er a 2p to p to get is 3	ocument h	nas been filed for
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Typed or printed name				Registration No					
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/622,337	07/18/2003	Thomas S. Wong	21901-07874	4849
758 75	90 04/23/2008		EXAM	INER
FENWICK & W	EST LLP	TSE, YOUNG TOI		
SILICON VALLE		ART UNIT	PAPER NUMBER	
801 CALIFORNIA MOUNTAIN VIE		2611 DATE MAILED: 04/23/200	8	

### Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 915 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 915 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

# Notice of Allowability

Application No.	Applicant(s)	٦
10/622,337	WONG ET AL.	
Examiner	Art Unit	٦
VOLING T. TSE	2611	

tive

I ne MAILING DATE or this communication appears of All claims being allowable, PROSECUTION ON THE MERITS IS (OR I herewith (or previously mailed), a Notice of Allowance (PTOL-85) or ott NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT! of the Office or upon petition by the applicant. See 37 CFR 1.313 and I	REMAINS) CLOSED in this application. If not included her appropriate communication will be mailed in due course. THIS S. This application is subject to withdrawal from issue at the initia
<ol> <li>This communication is responsive to the amendment filed on 12</li> </ol>	February 2008.
<ol> <li>The allowed claim(s) is/are <u>1-5,7-21 and 23-26</u>.</li> </ol>	
3.  ☐ Acknowledgment is made of a claim for foreign priority under 3 a) ☐ All b) ☐ Some* c) ☐ None of the:  1.  ☐ Certified copies of the priority documents have beer 2.  ☐ Certified copies of the priority documents have beer 3.  ☐ Copies of the certified copies of the priority documents International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:	n received.  Treceived in Application No  Ints have been received in this national stage application from the
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	or this application.
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submitted. INFORMAL PATENT APPLICATION (PTO-152) which gives rea</li> </ol>	
5. CORRECTED DRAWINGS ( as "replacement sheets") must be s	submitted.
<ul><li>(a) ☐ including changes required by the Notice of Draftsperson's I</li></ul>	Patent Drawing Review ( PTO-948) attached
<ol> <li>hereto or 2)  to Paper No./Mail Date</li> </ol>	
<ul><li>(b) ☐ including changes required by the attached Examiner's Ame Paper No./Mail Date</li></ul>	endment / Comment or in the Office action of
Identifying indicia such as the application number (see 37 CFR 1.84(c)) each sheet. Replacement sheet(s) should be labeled as such in the hea	
DEPOSIT OF and/or INFORMATION about the deposit of attached Examiner's comment regarding REQUIREMENT FOR	
Attachment(s)	
1. Notice of References Cited (PTO-892)	5. Notice of Informal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	<ol> <li>Interview Summary (PTO-413), Paper No./Mail Date</li> </ol>
Information Disclosure Statements (PTO/SB/08),	7. Examiner's Amendment/Comment
Paper No./Mail Date	8.   Examiner's Statement of Reasons for Allowance

9. Other \_\_\_\_\_.

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Art Unit: 2611

#### EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Dohyun Ahn on April 21, 2008.

The application has been amended as follows:

In claim 4, line 6, "the second input" has been changed to "a second input".

In claim 5, line 7, "the AC ground, a second input" has been changed to "the first resistor and a second input".

In claim 5, line 8, "the first resistor" has been changed to "the second capacitor coupled".

In claim 8, line 2, "for the" has been changed to "for".

In claim 11, line 3, "a PCB" has been changed to "a printed circuit board (PCB)".

In claim 18, line 2, "converted data" has been changed to "converted digital data".

In claim 18, both lines 4 and 7, "data rate" has been changed to "data rate from the fixed impedance node".

The following is an examiner's statement of reasons for allowance: the prior art
fails to show, suggest or teach an interface system or method coupled between a fixed
impedance node and a wide-band receiver for converting data signals of different data

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Art Unit: 2611

rates to converted data signals adapted for the wide-band receiver comprising: a first set of elements or step for converting first data signals at a first data rate during a first time period to first converted data signals adapted for the wide-band receiver and providing a first time constant response to the first data signals; and a second set of elements or step for converting second data signals at a second data rate during a second time period to second converted data signals adapted for the wide-band receiver and providing a second time constant response to the second data signals.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOUNG T. TSE whose telephone number is 571-272-3051. The examiner can normally be reached on Monday-Friday 10:00-6:30 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad H. Ghayour can be reached on 571-272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/YOUNG T. TSE/ Primary Examiner, Art Unit 2611 Application Number